

CONFIDENTIAL~~S-E-C-R-E-T~~

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Research, Development and Production Review Board
Ideas and Requirements Panel

- I. Meeting #4 was held in the OC Conference Room at 1430 hours on 21 September 1955. The following persons were in attendance:



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- II. The following ideas were discussed:

1. [redacted] informed the Panel that OC-S had been given the responsibility of determining the requirements of all communications devices to be used in the new CIA building (e.g. pneumatic tubes, desk fax, etc.). [redacted] stated that a panel had worked on this problem in 1954 and he therefore suggested that OC-S look into the results of their work. [redacted] said that he would do this, but asked all Divisions to study their requirements and to inform OC-S of them. Also discussed was the advisability of making a complete review of Signal Center procedures with an eye toward a physical redesign of the Center.

2. [redacted] told the Panel that he had talked with [redacted] of [redacted] about measurements of the field pattern and gain of the cubicle quad antenna and had obtained a rough estimate of \$3,000 for this work. The work would consist of setting up a scaled version of the antenna operating on a frequency of 500 mc and of measuring the current distribution and the relative phases of the currents in the elements. From this information the forward gain of the system could be calculated and would be accurate to within approximately 1 db. Field patterns, front to back ratio, and bandwidth of the system could also be determined. This work would be done on 2 antenna systems mounted on a common frame, one simulating a high frequency antenna cut to a frequency for daytime operation, the other being cut for frequency for nighttime operation. For the purposes of this investigation, a ratio of daytime to nighttime frequency of 2:1 would be assumed. The Panel received the rough proposal favorably but requested that a formal proposal be obtained from [redacted] for consideration at the next regular Board Meeting.

3. [redacted] reported new developments in the field of S/W and said that keying texts and signal plans could now be printed on [redacted]

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25 YEAR RE-REVIEW